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{wherein A<sup>1</sup> is a (C<sub>1</sub>-C<sub>8</sub>)alkylene group; a substituted (C<sub>1</sub>-C<sub>8</sub>) alkylene group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)-alkoxycarbonyl groups and phenyl group; a (C<sub>3</sub>-C<sub>8</sub>)-alkenylene group; a substituted (C<sub>3</sub>-C<sub>8</sub>)alkenylene group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, (C<sub>1</sub>-C<sub>6</sub>)-alkylthio(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxycarbonyl groups and phenyl group; a (C<sub>3</sub>-C<sub>8</sub>)alkynylene group; or a substituted (C<sub>3</sub>-C<sub>8</sub>)alkynylene group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)-alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxycarbonyl groups and phenyl group;

in the (C<sub>1</sub>-C<sub>8</sub>)alkylene group, the substituted (C<sub>1</sub>-C<sub>8</sub>) alkylene group, the (C<sub>3</sub>-C<sub>8</sub>)alkenylene group, the substituted (C<sub>3</sub>-C<sub>8</sub>) alkenylene group, the (C<sub>3</sub>-C<sub>8</sub>)-alkynylene group or the substituted (C<sub>3</sub>-C<sub>8</sub>)alkynylene group, any saturated carbon atom may be substituted with a (C<sub>2</sub>-C<sub>5</sub>)alkylene group to form a (C<sub>3</sub>-C<sub>6</sub>)cycloalkane

ring; further in the (C<sub>1</sub>-C<sub>8</sub>)alkylene group, the substituted (C<sub>1</sub>-C<sub>8</sub>) alkylene group, the (C<sub>3</sub>-C<sub>8</sub>)alkenylene group or the substituted (C<sub>3</sub>-C<sub>8</sub>) alkenylene group, any two carbon atoms may be combined with an alkylene group or an alkenylene group to form a (C<sub>3</sub>-C<sub>6</sub>)cycloalkane ring or a (C<sub>3</sub>-C<sub>6</sub>)cycloalkene ring;

B is -C(=N-OR<sup>4</sup>)- (wherein R<sup>4</sup> is a hydrogen atom; a (C<sub>1</sub>-C<sub>6</sub>)alkyl group; a halo(C<sub>1</sub>-C<sub>6</sub>)alkyl group; a (C<sub>3</sub>-C<sub>6</sub>)alkenyl group; a halo(C<sub>3</sub>-C<sub>6</sub>)alkenyl group; a (C<sub>3</sub>-C<sub>6</sub>)alkynyl group; a (C<sub>3</sub>-C<sub>6</sub>)cycloalkyl group; a phenyl(C<sub>1</sub>-C<sub>4</sub>)alkyl group; or a substituted phenyl(C<sub>1</sub>-C<sub>4</sub>)alkyl group having, on the ring, one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)-alkoxycarbonyl groups);

R<sup>1</sup> is a hydrogen atom; a (C<sub>1</sub>-C<sub>6</sub>)alkyl group; a halo(C<sub>1</sub>-C<sub>6</sub>)alkyl group; a (C<sub>2</sub>-C<sub>6</sub>)alkenyl group; a halo(C<sub>2</sub>-C<sub>6</sub>)alkenyl group; a (C<sub>3</sub>-C<sub>6</sub>)cycloalkyl group; a halo(C<sub>3</sub>-C<sub>6</sub>)cycloalkyl group; a (C<sub>1</sub>-C<sub>6</sub>)alkoxy group; a halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy group; a (C<sub>1</sub>-C<sub>6</sub>)alkylthio group; a halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio group; a mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino group; a di(C<sub>1</sub>-C<sub>6</sub>)alkylamino group wherein the two alkyl groups may be the same or different; a phenyl group; a substituted phenyl group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups,

halo( $C_1$ - $C_6$ )alkylsulfonyl groups, mono( $C_1$ - $C_6$ )alkylamino groups, di( $C_1$ - $C_6$ )alkylamino groups wherein the two alkyl groups may be the same or different, and ( $C_1$ - $C_6$ )-alkoxycarbonyl groups; a phenylamino group; a substituted phenylamino group having, on the ring, one or more same or different substituents selected from halogen atoms, cyano group, nitro group, ( $C_1$ - $C_6$ )alkyl groups, halo( $C_1$ - $C_6$ )alkyl groups, ( $C_1$ - $C_6$ )alkoxy groups, halo( $C_1$ - $C_6$ )alkoxy groups, ( $C_1$ - $C_6$ )alkylthio groups, halo( $C_1$ - $C_6$ )alkylthio groups, ( $C_1$ - $C_6$ )alkylsulfinyl groups, halo( $C_1$ - $C_6$ )alkylsulfinyl groups, ( $C_1$ - $C_6$ )alkylsulfonyl groups, halo( $C_1$ - $C_6$ )alkylsulfonyl groups, mono( $C_1$ - $C_6$ )alkylamino groups, di( $C_1$ - $C_6$ )alkylamino groups wherein the two alkyl groups may be the same or different, and ( $C_1$ - $C_6$ )-alkoxycarbonyl groups; a phenoxy group; a substituted phenoxy group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, ( $C_1$ - $C_6$ )alkyl groups, halo( $C_1$ - $C_6$ )alkyl groups, ( $C_1$ - $C_6$ )alkoxy groups, halo( $C_1$ - $C_6$ )alkoxy groups, ( $C_1$ - $C_6$ )alkylthio groups, halo( $C_1$ - $C_6$ )alkylthio groups, ( $C_1$ - $C_6$ )alkylsulfinyl groups, halo( $C_1$ - $C_6$ )alkylsulfinyl groups, ( $C_1$ - $C_6$ )alkylsulfonyl groups, halo( $C_1$ - $C_6$ )alkylsulfonyl groups, mono( $C_1$ - $C_6$ )alkylamino groups, di( $C_1$ - $C_6$ )alkylamino groups wherein the two alkyl groups may be the same or different, and ( $C_1$ - $C_6$ )-alkoxycarbonyl groups; a phenylthio group; a substituted phenylthio group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, ( $C_1$ - $C_6$ )alkyl groups, halo( $C_1$ - $C_6$ )alkyl groups, ( $C_1$ - $C_6$ )alkoxy groups, halo( $C_1$ - $C_6$ )alkoxy groups, ( $C_1$ - $C_6$ )alkylthio groups, halo( $C_1$ - $C_6$ )alkylthio groups, halo( $C_1$ - $C_6$ )alkylthio groups, ( $C_1$ - $C_6$ )alkylsulfinyl groups, halo( $C_1$ - $C_6$ )alkylsulfinyl groups, ( $C_1$ - $C_6$ )alkylsulfonyl groups, halo( $C_1$ - $C_6$ )alkylsulfonyl groups, mono( $C_1$ - $C_6$ )alkylamino groups, di( $C_1$ - $C_6$ )alkylamino groups wherein the two alkyl groups may be the same or different, and ( $C_1$ - $C_6$ )-alkoxycarbonyl groups; a heterocyclic group; or a

substituted heterocyclic group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)alkoxycarbonyl groups;

R<sup>1</sup> may bond with A<sup>1</sup> to form a 4- to 7-membered ring which may contain, as a ring-constituting atom(s), one or two same or different atoms selected from oxygen, sulfur and nitrogen atoms;

R<sup>2</sup> and R<sup>3</sup> may be the same or different and are each a hydrogen atom, a (C<sub>3</sub>-C<sub>6</sub>)cycloalkyl group or -A<sup>2</sup>-R<sup>5</sup> [wherein A<sup>2</sup> is -C(=O)-, -C(=S)-, -C(=NR<sup>6</sup>)- (wherein R<sup>6</sup> is a hydrogen atom; a (C<sub>1</sub>-C<sub>6</sub>)alkyl group; a (C<sub>1</sub>-C<sub>6</sub>)alkoxy group; a mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino group; a di(C<sub>1</sub>-C<sub>6</sub>)-alkylamino group wherein the two alkyl groups may be the same or different; a (C<sub>1</sub>-C<sub>6</sub>)alkoxycarbonyl group; a phenyl group; or a substituted phenyl group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)alkoxycarbonyl groups), a (C<sub>1</sub>-C<sub>8</sub>)alkylene group, a halo(C<sub>1</sub>-C<sub>8</sub>)alkylene group, a (C<sub>3</sub>-C<sub>6</sub>)alkenylene group, a halo(C<sub>3</sub>-C<sub>6</sub>)alkenylene group, a (C<sub>3</sub>-C<sub>6</sub>)alkynylene group or a halo(C<sub>3</sub>-C<sub>6</sub>)alkynylene group;

(1) when A<sup>2</sup> is -C(=O)-, -C(=S)- or -C(=NR<sup>6</sup>)- (wherein R<sup>6</sup> has the same definition as given above), R<sup>5</sup> is a hydrogen atom; a (C<sub>1</sub>-C<sub>6</sub>)alkyl group; a halo(C<sub>1</sub>-C<sub>6</sub>)-alkyl group; a (C<sub>1</sub>-C<sub>6</sub>)alkoxy group; a (C<sub>3</sub>-C<sub>6</sub>)cycloalkyl group; a halo(C<sub>3</sub>-C<sub>6</sub>)cycloalkyl group; a phenyl group; a substituted phenyl group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)-alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)-alkoxycarbonyl groups; a heterocyclic group; a substituted heterocyclic group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)-alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)-alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)-alkoxycarbonyl groups; or -A<sup>3</sup>-R<sup>7</sup> (wherein A<sup>3</sup> is -O-, -S- or -N(R<sup>8</sup>)- (wherein R<sup>8</sup> is a hydrogen atom; a (C<sub>1</sub>-C<sub>6</sub>)-alkylcarbonyl group; a halo(C<sub>1</sub>-C<sub>6</sub>)-alkylcarbonyl group; a (C<sub>1</sub>-C<sub>6</sub>)-alkoxycarbonyl group; a phenylcarbonyl group; a substituted phenylcarbonyl group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)-alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)-alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl

groups, halo( $C_1$ - $C_6$ )alkylsulfonyl groups, mono( $C_1$ - $C_6$ )alkylamino groups, di( $C_1$ - $C_6$ )alkylamino groups wherein the two alkyl groups may be the same or different, and ( $C_1$ - $C_6$ )-alkoxycarbonyl groups; a phenyl( $C_1$ - $C_4$ )alkoxycarbonyl group; or a substituted phenyl( $C_1$ - $C_4$ )alkoxycarbonyl group having, on the ring, one or more same or different substituents selected from halogen atoms, cyano group, nitro group, ( $C_1$ - $C_6$ )alkyl groups, halo( $C_1$ - $C_6$ )alkyl groups, ( $C_1$ - $C_6$ )alkoxy groups, halo( $C_1$ - $C_6$ )alkoxy groups, ( $C_1$ - $C_6$ )alkylthio groups, halo( $C_1$ - $C_6$ )alkylthio groups, ( $C_1$ - $C_6$ )alkylsulfinyl groups, halo( $C_1$ - $C_6$ )alkylsulfinyl groups, ( $C_1$ - $C_6$ )alkylsulfonyl groups, halo( $C_1$ - $C_6$ )alkylsulfonyl groups, mono( $C_1$ - $C_6$ )alkylamino groups, di( $C_1$ - $C_6$ )alkylamino groups wherein the two alkyl groups may be the same or different, and ( $C_1$ - $C_6$ )-alkoxycarbonyl groups); and R<sup>7</sup> is a ( $C_1$ - $C_6$ )alkyl group; a halo( $C_1$ - $C_6$ )alkyl group; a ( $C_3$ - $C_6$ )alkenyl group; a halo( $C_3$ - $C_6$ )alkenyl group; a ( $C_3$ - $C_6$ )alkynyl group; a halo( $C_3$ - $C_6$ )alkynyl group; a ( $C_3$ - $C_6$ )cycloalkyl group; a halo( $C_3$ - $C_6$ )cycloalkyl group; a ( $C_1$ - $C_6$ )alkylcarbonyl group; a halo( $C_1$ - $C_6$ )alkylcarbonyl group; a ( $C_1$ - $C_6$ )-alkoxycarbonyl group; a phenyl group; a substituted phenyl group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, ( $C_1$ - $C_6$ )alkyl groups, halo( $C_1$ - $C_6$ )alkyl groups, ( $C_1$ - $C_6$ )alkoxy groups, halo( $C_1$ - $C_6$ )alkoxy groups, ( $C_1$ - $C_6$ )alkylthio groups, halo( $C_1$ - $C_6$ )alkylthio groups, ( $C_1$ - $C_6$ )alkylsulfinyl groups, halo( $C_1$ - $C_6$ )alkylsulfinyl groups, ( $C_1$ - $C_6$ )alkylsulfonyl groups, halo( $C_1$ - $C_6$ )-alkylsulfonyl groups, mono( $C_1$ - $C_6$ )alkylamino groups, di( $C_1$ - $C_6$ )alkylamino groups wherein the two alkyl groups may be the same or different, and ( $C_1$ - $C_6$ )-alkoxycarbonyl groups; a phenyl( $C_1$ - $C_4$ )alkyl group; a substituted phenyl( $C_1$ - $C_4$ )alkyl group having, on the ring, one or more same or different substituents selected from halogen atoms, cyano group, nitro group, ( $C_1$ - $C_6$ )alkyl groups, halo( $C_1$ - $C_6$ )alkyl groups, ( $C_1$ - $C_6$ )alkoxy groups, halo( $C_1$ - $C_6$ )alkoxy

groups,  $(C_1\text{-}C_6)$ alkylthio groups, halo $(C_1\text{-}C_6)$ alkylthio groups,  $(C_1\text{-}C_6)$ alkylsulfinyl groups, halo $(C_1\text{-}C_6)$ alkylsulfinyl groups,  $(C_1\text{-}C_6)$ alkylsulfonyl groups, halo $(C_1\text{-}C_6)$ alkylsulfonyl groups, mono $(C_1\text{-}C_6)$ alkylamino groups, di $(C_1\text{-}C_6)$ alkylamino groups wherein the two alkyl groups may be the same or different, and  $(C_1\text{-}C_6)$ alkoxycarbonyl groups; a heterocyclic group; or a substituted heterocyclic group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group,  $(C_1\text{-}C_6)$ alkyl groups, halo $(C_1\text{-}C_6)$ alkyl groups,  $(C_1\text{-}C_6)$ alkoxy groups, halo $(C_1\text{-}C_6)$ alkoxy groups,  $(C_1\text{-}C_6)$ alkylthio groups, halo $(C_1\text{-}C_6)$ alkylthio groups,  $(C_1\text{-}C_6)$ alkylsulfinyl groups, halo $(C_1\text{-}C_6)$ alkylsulfinyl groups,  $(C_1\text{-}C_6)$ alkylsulfonyl groups, halo $(C_1\text{-}C_6)$ alkylsulfonyl groups, mono $(C_1\text{-}C_6)$ alkylamino groups, di $(C_1\text{-}C_6)$ alkylamino groups wherein the two alkyl groups may be the same or different, and  $(C_1\text{-}C_6)$ alkoxycarbonyl groups);

(2) when  $A^2$  is a  $(C_1\text{-}C_8)$ alkylene group, a halo $(C_1\text{-}C_8)$ alkylene group, a  $(C_3\text{-}C_6)$ alkenylene group, a halo $(C_3\text{-}C_6)$ alkenylene group, a  $(C_3\text{-}C_6)$ alkynylene group or a halo $(C_3\text{-}C_6)$ alkynylene group,  $R^5$  is a hydrogen atom; a halogen atom; a cyano group; a nitro group; a  $(C_3\text{-}C_6)$ -cycloalkyl group; a halo $(C_3\text{-}C_6)$ cycloalkyl group; a  $(C_1\text{-}C_6)$ alkoxycarbonyl group; a phenyl group; a substituted phenyl group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group,  $(C_1\text{-}C_6)$ alkyl groups, halo $(C_1\text{-}C_6)$ alkyl groups,  $(C_1\text{-}C_6)$ alkoxy groups, halo $(C_1\text{-}C_6)$ alkoxy groups,  $(C_1\text{-}C_6)$ alkylthio groups, halo $(C_1\text{-}C_6)$ alkylthio groups,  $(C_1\text{-}C_6)$ alkylsulfinyl groups, halo $(C_1\text{-}C_6)$ alkylsulfinyl groups,  $(C_1\text{-}C_6)$ alkylsulfonyl groups, halo $(C_1\text{-}C_6)$ alkylsulfonyl groups, mono $(C_1\text{-}C_6)$ alkylamino groups, di $(C_1\text{-}C_6)$ alkylamino groups wherein the two alkyl groups may be the same or different, and  $(C_1\text{-}C_6)$ alkoxycarbonyl groups; a heterocyclic group; a substituted heterocyclic group having one or more same or different substituents selected from

halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)alkoxycarbonyl groups; or -A<sup>4</sup>-R<sup>9</sup> (wherein A<sup>4</sup> is -O-, -S-, -SO-, -SO<sub>2</sub><sup>-</sup>, -N(R<sup>8</sup>)- (R<sup>8</sup> has the same definition as given above), -C(=O)- or -C(=NOR<sup>4</sup>)- (R<sup>4</sup> has the same definition as given above);

(i) when A<sup>4</sup> is -O-, -S-, -SO-, -SO<sub>2</sub><sup>-</sup> or -N(R<sup>8</sup>)- (R<sup>8</sup> has the same definition as given above), R<sup>9</sup> is a hydrogen atom; a (C<sub>1</sub>-C<sub>6</sub>)alkyl group; a halo(C<sub>1</sub>-C<sub>6</sub>)alkyl group; a (C<sub>3</sub>-C<sub>6</sub>)alkenyl group; a halo(C<sub>3</sub>-C<sub>6</sub>)alkenyl group; a (C<sub>3</sub>-C<sub>6</sub>)alkynyl group; a halo(C<sub>3</sub>-C<sub>6</sub>)alkynyl group; a (C<sub>3</sub>-C<sub>6</sub>)cycloalkyl group; a halo(C<sub>3</sub>-C<sub>6</sub>)cycloalkyl group; a (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl group; a halo(C<sub>1</sub>-C<sub>6</sub>)-alkylcarbonyl group; a (C<sub>1</sub>-C<sub>6</sub>)alkoxycarbonyl group; a phenyl group; a substituted phenyl group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)alkoxycarbonyl groups; a phenyl(C<sub>1</sub>-C<sub>4</sub>)alkyl group; a substituted phenyl(C<sub>1</sub>-C<sub>4</sub>)alkyl group having, on the ring, one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy

groups,  $(C_1\text{-}C_6)\text{alkylthio}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkylthio}$  groups,  $(C_1\text{-}C_6)\text{alkylsulfinyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkylsulfinyl}$  groups,  $(C_1\text{-}C_6)\text{alkylsulfonyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkylsulfonyl}$  groups,  $\text{mono}(C_1\text{-}C_6)\text{alkylamino}$  groups,  $\text{di}(C_1\text{-}C_6)\text{alkylamino}$  groups wherein the two alkyl groups may be the same or different, and  $(C_1\text{-}C_6)\text{alkoxycarbonyl}$  groups; a heterocyclic group; or a substituted heterocyclic group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group,  $(C_1\text{-}C_6)\text{alkyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkyl}$  groups,  $(C_1\text{-}C_6)\text{-alkoxy}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{-alkoxy}$  groups,  $(C_1\text{-}C_6)\text{alkylthio}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkylthio}$  groups,  $(C_1\text{-}C_6)\text{alkylsulfinyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkylsulfinyl}$  groups,  $(C_1\text{-}C_6)\text{-alkylsulfonyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{-alkylsulfonyl}$  groups,  $\text{mono}(C_1\text{-}C_6)\text{alkylamino}$  groups,  $\text{di}(C_1\text{-}C_6)\text{alkylamino}$  groups wherein the two alkyl groups may be the same or different, and  $(C_1\text{-}C_6)\text{alkoxycarbonyl}$  groups;

D1

(ii) when  $A^4$  is  $-\text{C}(=\text{O})-$  or  $-\text{C}(=\text{N}-\text{OR}^4)-$  ( $R^4$  has the same definition as given above),  $R^9$  is a hydrogen atom; a  $(C_1\text{-}C_6)\text{alkyl}$  group; a  $\text{halo}(C_1\text{-}C_6)\text{alkyl}$  group; a  $(C_2\text{-}C_6)\text{alkenyl}$  group; a  $\text{halo}(C_2\text{-}C_6)\text{alkenyl}$  group; a  $(C_3\text{-}C_6)\text{cycloalkyl}$  group; a  $\text{halo}(C_3\text{-}C_6)\text{cycloalkyl}$  group; a  $(C_1\text{-}C_6)\text{alkoxy}$  group; a  $\text{halo}(C_1\text{-}C_6)\text{alkoxy}$  group; a  $(C_1\text{-}C_6)\text{alkylthio}$  group; a  $\text{halo}(C_1\text{-}C_6)\text{alkylthio}$  group; a  $\text{mono}(C_1\text{-}C_6)\text{alkylamino}$  group; a  $\text{di}(C_1\text{-}C_6)\text{alkylamino}$  group wherein the two alkyl groups may be the same or different; a phenyl group; a substituted phenyl group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group,  $(C_1\text{-}C_6)\text{alkyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkyl}$  groups,  $(C_1\text{-}C_6)\text{-alkoxy}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{-alkoxy}$  groups,  $(C_1\text{-}C_6)\text{alkylthio}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkylthio}$  groups,  $(C_1\text{-}C_6)\text{alkylsulfinyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkylsulfinyl}$  groups,  $(C_1\text{-}C_6)\text{-alkylsulfonyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{-alkylsulfonyl}$  groups,  $\text{mono}(C_1\text{-}C_6)\text{alkylamino}$  groups,  $\text{di}(C_1\text{-}C_6)\text{alkylamino}$  groups wherein the two alkyl groups may be the same or different,

and  $(C_1\text{-}C_6)$ alkoxycarbonyl groups; a phenylamino group; a substituted phenylamino group having, on the ring, one or more same or different substituents selected from halogen atoms, cyano group, nitro group,  $(C_1\text{-}C_6)$ alkyl groups, halo( $C_1\text{-}C_6$ )alkyl groups,  $(C_1\text{-}C_6)$ alkoxy groups, halo( $C_1\text{-}C_6$ )alkoxy groups,  $(C_1\text{-}C_6)$ alkylthio groups, halo( $C_1\text{-}C_6$ )alkylthio groups,  $(C_1\text{-}C_6)$ alkylsulfinyl groups, halo( $C_1\text{-}C_6$ )alkylsulfinyl groups,  $(C_1\text{-}C_6)$ alkylsulfonyl groups, halo( $C_1\text{-}C_6$ )alkylsulfonyl groups, mono( $C_1\text{-}C_6$ )alkylamino groups, di( $C_1\text{-}C_6$ )alkylamino groups wherein the two alkyl groups may be the same or different, and  $(C_1\text{-}C_6)$ alkoxycarbonyl groups; a phenoxy group; a substituted phenoxy group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group,  $(C_1\text{-}C_6)$ alkyl groups, halo( $C_1\text{-}C_6$ )alkyl groups,  $(C_1\text{-}C_6)$ alkoxy groups, halo( $C_1\text{-}C_6$ )alkoxy groups,  $(C_1\text{-}C_6)$ alkylthio groups, halo( $C_1\text{-}C_6$ )alkylthio groups,  $(C_1\text{-}C_6)$ alkylsulfinyl groups, halo( $C_1\text{-}C_6$ )alkylsulfinyl groups,  $(C_1\text{-}C_6)$ alkylsulfonyl groups, halo( $C_1\text{-}C_6$ )alkylsulfonyl groups, mono( $C_1\text{-}C_6$ )alkylamino groups, di( $C_1\text{-}C_6$ )alkylamino groups wherein the two alkyl groups may be the same or different, and  $(C_1\text{-}C_6)$ alkoxycarbonyl groups; a phenylthio group; a substituted phenylthio group having, on the ring, one or more same or different substituents selected from halogen atoms, cyano group, nitro group,  $(C_1\text{-}C_6)$ alkyl groups, halo( $C_1\text{-}C_6$ )alkyl groups,  $(C_1\text{-}C_6)$ alkoxy groups, halo( $C_1\text{-}C_6$ )alkoxy groups,  $(C_1\text{-}C_6)$ alkylthio groups, halo( $C_1\text{-}C_6$ )alkylthio groups,  $(C_1\text{-}C_6)$ alkylsulfinyl groups, halo( $C_1\text{-}C_6$ )alkylsulfinyl groups,  $(C_1\text{-}C_6)$ alkylsulfonyl groups, halo( $C_1\text{-}C_6$ )alkylsulfonyl groups, mono( $C_1\text{-}C_6$ )alkylamino groups, di( $C_1\text{-}C_6$ )alkylamino groups wherein the two alkyl groups may be the same or different, and  $(C_1\text{-}C_6)$ alkoxycarbonyl groups; a heterocyclic group; or a substituted heterocyclic group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group,  $(C_1\text{-}C_6)$ alkyl

groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)alkoxycarbonyl groups)];

R<sup>2</sup> may bond with A<sup>1</sup> or R<sup>1</sup> to form a 4- to 7-membered ring which may contain, as a ring-constituting atom(s), one or two same or different atoms selected from oxygen, sulfur and nitrogen atoms;

Q<sup>1</sup> to Q<sup>4</sup> may be the same or different and are each a nitrogen atom or a carbon atom which may be substituted with X, and X may be the same or different, and is a halogen atom; a cyano group; a nitro group; a (C<sub>3</sub>-C<sub>6</sub>)cycloalkyl group; a halo(C<sub>3</sub>-C<sub>6</sub>)cycloalkyl group; a (C<sub>1</sub>-C<sub>6</sub>)alkoxycarbonyl group; a phenyl group; a substituted phenyl group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)alkoxycarbonyl groups; a heterocyclic group; a substituted heterocyclic group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino

groups wherein the two alkyl groups may be the same or different, and ( $C_1$ - $C_6$ )-alkoxycarbonyl groups; or  $-A^5-R^{10}$  [wherein  $A^5$  is  $-O-$ ,  $-S-$ ,  $-SO-$ ,  $-SO_2-$ ,  $-C(=O)-$ ,  $-C(=NOR^4)-$  ( $R^4$  has the same definition as given above), a ( $C_1$ - $C_6$ )alkylene group, a halo( $C_1$ - $C_6$ )alkylene group, a ( $C_2$ - $C_6$ )alkenylene group, a halo( $C_2$ - $C_6$ )alkenylene group, a ( $C_2$ - $C_6$ )alkynylene group or a halo( $C_2$ - $C_6$ )alkynylene group;

(1) when A<sup>5</sup> is -O-, -S-, -SO- or -SO<sub>2</sub>-, R<sup>10</sup> is a halo(C<sub>3</sub>-C<sub>6</sub>)cycloalkyl group; a halo(C<sub>3</sub>-C<sub>6</sub>)cycloalkenyl group; a phenyl group; a substituted phenyl group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)-alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)-alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)alkoxycarbonyl groups; a heterocyclic group; a substituted heterocyclic group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)alkoxycarbonyl groups; or -A<sup>6</sup>-R<sup>11</sup> (wherein A<sup>6</sup> is a (C<sub>1</sub>-C<sub>6</sub>)alkylene group, a halo(C<sub>1</sub>-C<sub>6</sub>)-alkylene group, a (C<sub>3</sub>-C<sub>6</sub>)alkenylene group, a halo(C<sub>3</sub>-C<sub>6</sub>)-alkenylene group, a (C<sub>3</sub>-C<sub>6</sub>)alkynylene group or a halo(C<sub>3</sub>-C<sub>6</sub>)alkynylene group, and R<sup>11</sup> is a hydrogen atom; a halogen atom; a (C<sub>3</sub>-C<sub>6</sub>)alkyl group; a (C<sub>3</sub>-C<sub>6</sub>)alkoxy group; a (C<sub>3</sub>-C<sub>6</sub>)alkylthio group; a (C<sub>3</sub>-C<sub>6</sub>)alkylsulfinyl group; a (C<sub>3</sub>-C<sub>6</sub>)alkylsulfonyl group; a (C<sub>3</sub>-C<sub>6</sub>)-alkenyl group; a (C<sub>3</sub>-C<sub>6</sub>)-alkynyl group; a (C<sub>3</sub>-C<sub>6</sub>)-heterocyclic group; a (C<sub>3</sub>-C<sub>6</sub>)-heterocyclic group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)-alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)alkoxycarbonyl groups; or a (C<sub>3</sub>-C<sub>6</sub>)-heterocyclic group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)-alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)alkoxycarbonyl groups).

$C_6$ -cycloalkyl group; a halo( $C_3$ - $C_6$ )-cycloalkyl group; a ( $C_1$ - $C_6$ )alkoxycarbonyl group; a phenyl group; a substituted phenyl group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, ( $C_1$ - $C_6$ )alkyl groups, halo( $C_1$ - $C_6$ )alkyl groups, ( $C_1$ - $C_6$ )alkoxy groups, halo( $C_1$ - $C_6$ )alkoxy groups, ( $C_1$ - $C_6$ )alkylthio groups, halo( $C_1$ - $C_6$ )alkylthio groups, ( $C_1$ - $C_6$ )alkylsulfinyl groups, halo( $C_1$ - $C_6$ )alkylsulfinyl groups, ( $C_1$ - $C_6$ )alkylsulfonyl groups, halo( $C_1$ - $C_6$ )alkylsulfonyl groups, mono( $C_1$ - $C_6$ )alkylamino groups, di( $C_1$ - $C_6$ )alkylamino groups wherein the two alkyl groups may be the same or different, and ( $C_1$ - $C_6$ )alkoxycarbonyl groups; or - $A^7$ - $R^{12}$  (wherein  $A^7$  is

-O-, -S-, -SO- or  $\text{-SO}_2-$ , and R<sup>12</sup> is a (C<sub>1</sub>-C<sub>6</sub>)alkyl group; a halo(C<sub>1</sub>-C<sub>6</sub>)alkyl group; a (C<sub>3</sub>-C<sub>6</sub>)alkenyl group; a halo(C<sub>3</sub>-C<sub>6</sub>)alkenyl group; a (C<sub>3</sub>-C<sub>6</sub>)alkynyl group; a

halo(C<sub>3</sub>-C<sub>6</sub>)alkynyl group; a (C<sub>3</sub>-C<sub>6</sub>)cycloalkyl group; a halo(C<sub>3</sub>-C<sub>6</sub>)cycloalkyl group;

a phenyl group; a substituted phenyl group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, ( $C_1$ - $C_6$ )alkyl groups, halo( $C_1$ - $C_6$ )alkyl groups, ( $C_1$ - $C_6$ )alkoxy groups, halo( $C_1$ - $C_6$ )alkoxy groups, ( $C_1$ - $C_6$ )alkylthio groups, halo( $C_1$ - $C_6$ )alkylthio groups, ( $C_1$ - $C_6$ )alkylsulfinyl groups, halo( $C_1$ - $C_6$ )-alkylsulfinyl groups, ( $C_1$ - $C_6$ )alkylsulfonyl groups, halo( $C_1$ -

$C_6$ )alkylsulfonyl groups, mono( $C_1$ - $C_6$ )alkylamino groups, di( $C_1$ - $C_6$ )alkylamino groups wherein the two alkyl groups may be the same or different, and ( $C_1$ - $C_6$ )-alkoxycarbonyl groups; a heterocyclic group; or a substituted heterocyclic group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, ( $C_1$ - $C_6$ )alkyl groups, halo( $C_1$ - $C_6$ )alkyl groups, ( $C_1$ - $C_6$ )alkoxy groups, halo( $C_1$ - $C_6$ )alkoxy groups, ( $C_1$ - $C_6$ )alkylthio groups, halo( $C_1$ - $C_6$ )alkylthio groups, ( $C_1$ - $C_6$ )alkylsulfinyl groups, halo( $C_1$ - $C_6$ )-alkylsulfinyl groups, ( $C_1$ - $C_6$ )alkylsulfonyl groups, halo( $C_1$ - $C_6$ )alkylsulfonyl groups, mono( $C_1$ -

C<sub>6</sub>)alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)-alkoxycarbonyl groups));

(2) when A<sup>5</sup> is -C(=O)- or -C(=NOR<sup>4</sup>)- (R<sup>4</sup> has the same definition as given above), R<sup>10</sup> is a (C<sub>1</sub>-C<sub>6</sub>)-alkyl group; a halo(C<sub>1</sub>-C<sub>6</sub>)alkyl group; a (C<sub>2</sub>-C<sub>6</sub>)alkenyl group; a halo(C<sub>2</sub>-C<sub>6</sub>)alkenyl group; a (C<sub>3</sub>-C<sub>6</sub>)cycloalkyl group; a halo(C<sub>3</sub>-C<sub>6</sub>)cycloalkyl group; a (C<sub>1</sub>-C<sub>6</sub>)alkoxy group; a (C<sub>1</sub>-C<sub>6</sub>)alkylthio group; a mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino group; a di(C<sub>1</sub>-C<sub>6</sub>)alkylamino group wherein the two alkyl groups may be the same or different; a phenyl group; a substituted phenyl group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)-alkoxycarbonyl groups; a phenylamino group; a substituted phenylamino group having, on the ring, one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)-alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)-alkoxycarbonyl groups; a heterocyclic group; or a substituted heterocyclic group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy

groups,  $(C_1\text{-}C_6)\text{alkylthio}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkylthio}$  groups,  $(C_1\text{-}C_6)\text{alkylsulfinyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{-alkylsulfinyl}$  groups,  $(C_1\text{-}C_6)\text{alkylsulfonyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkylsulfonyl}$  groups,  $\text{mono}(C_1\text{-}C_6)\text{alkylamino}$  groups,  $\text{di}(C_1\text{-}C_6)\text{alkylamino}$  groups wherein the two alkyl groups may be the same or different, and  $(C_1\text{-}C_6)\text{-alkoxycarbonyl}$  groups;

(3) when  $A^5$  is a  $(C_1\text{-}C_6)\text{alkylene}$  group, a  $\text{halo}(C_1\text{-}C_6)\text{alkylene}$  group, a  $(C_2\text{-}C_6)\text{alkenylene}$  group, a  $\text{halo}(C_2\text{-}C_6)\text{alkenylene}$  group, a  $(C_2\text{-}C_6)\text{alkynylene}$  group or a  $\text{halo}(C_2\text{-}C_6)\text{alkynylene}$  group,  $R^{10}$  is a hydrogen atom; a halogen atom; a  $(C_3\text{-}C_6)\text{cycloalkyl}$  group; a  $\text{halo}(C_3\text{-}C_6)\text{cycloalkyl}$  group; a  $(C_1\text{-}C_6)\text{alkoxycarbonyl}$  group; a phenyl group; a substituted phenyl group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group,  $(C_1\text{-}C_6)\text{alkyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkyl}$  groups,  $(C_1\text{-}C_6)\text{alkoxy}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkoxy}$  groups,  $(C_1\text{-}C_6)\text{alkylthio}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkylthio}$  groups,  $(C_1\text{-}C_6)\text{alkylsulfinyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkylsulfinyl}$  groups,  $(C_1\text{-}C_6)\text{alkylsulfonyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkylsulfonyl}$  groups,  $(C_1\text{-}C_6)\text{alkylsulfonyl}$  groups,  $\text{mono}(C_1\text{-}C_6)\text{alkylamino}$  groups,  $\text{di}(C_1\text{-}C_6)\text{alkylamino}$  groups wherein the two alkyl groups may be the same or different, and  $(C_1\text{-}C_6)\text{-alkoxycarbonyl}$  groups; a heterocyclic group; a substituted heterocyclic group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group,  $(C_1\text{-}C_6)\text{alkyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkyl}$  groups,  $(C_1\text{-}C_6)\text{alkoxy}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkoxy}$  groups,  $(C_1\text{-}C_6)\text{alkylthio}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkylthio}$  groups,  $(C_1\text{-}C_6)\text{alkylsulfinyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{-alkylsulfinyl}$  groups,  $(C_1\text{-}C_6)\text{alkylsulfonyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkylsulfonyl}$  groups,  $\text{mono}(C_1\text{-}C_6)\text{alkylamino}$  groups,  $\text{di}(C_1\text{-}C_6)\text{alkylamino}$  groups wherein the two alkyl groups may be the same or different, and  $(C_1\text{-}C_6)\text{-alkoxycarbonyl}$  groups; or  $-A^8\text{-}R^{13}$  (wherein  $A^8$  is  $-\text{O}-$ ,

-S-, -SO- or -SO<sub>2</sub>-, and R<sup>13</sup> is a (C<sub>3</sub>-C<sub>6</sub>)cycloalkyl group; a halo(C<sub>3</sub>-C<sub>6</sub>)cycloalkyl group; a phenyl group; a substituted phenyl group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)alkoxycarbonyl groups; a heterocyclic group; a substituted heterocyclic group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)-alkoxycarbonyl groups; or -A<sup>9</sup>-R<sup>14</sup> (wherein A<sup>9</sup> is a (C<sub>1</sub>-C<sub>6</sub>)alkylene group, a halo(C<sub>1</sub>-C<sub>6</sub>)alkylene group, a (C<sub>2</sub>-C<sub>6</sub>)alkenylene group, a halo(C<sub>2</sub>-C<sub>6</sub>)alkenylene group, a (C<sub>2</sub>-C<sub>6</sub>)alkynylene group or a halo(C<sub>3</sub>-C<sub>5</sub>)alkynylene group, and R<sup>14</sup> is a hydrogen atom; a halogen atom; a (C<sub>3</sub>-C<sub>6</sub>)-cycloalkyl group; a halo(C<sub>3</sub>-C<sub>6</sub>)cycloalkyl group; a (C<sub>1</sub>-C<sub>6</sub>)alkoxy group; a halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy group; a (C<sub>1</sub>-C<sub>6</sub>)alkylthio group; a halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio group; a (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl group; a halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl group; a (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl group; a halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl group; a phenyl group; a substituted phenyl group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl

groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)-alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)-alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)alkoxycarbonyl groups; a phenoxy group; a substituted phenoxy group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)-alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)alkoxycarbonyl groups; a phenylthio group; a substituted phenylthio group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)-alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)-alkoxycarbonyl groups; a heterocyclic group; or a substituted heterocyclic group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)-alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>).

$C_6$ )alkylsulfonyl groups, mono( $C_1$ - $C_6$ )alkylamino groups, di( $C_1$ - $C_6$ )alkylamino groups wherein the two alkyl groups may be the same or different, and ( $C_1$ - $C_6$ )-alkoxycarbonyl groups));

the two Xs bonding to the adjacent two carbon atoms constituting the aromatic ring containing Q<sup>1</sup> to Q<sup>4</sup> may bond to each other to form a condensed ring; the condensed ring may have one or more same or different substituents selected from halogen atoms, cyano group, nitro group, ( $C_1$ - $C_6$ )alkyl groups, halo( $C_1$ - $C_6$ )alkyl groups, ( $C_1$ - $C_6$ )alkoxy groups, halo( $C_1$ - $C_6$ )alkoxy groups, ( $C_1$ - $C_6$ )alkylthio groups, halo( $C_1$ - $C_6$ )alkylthio groups, ( $C_1$ - $C_6$ )alkylsulfinyl groups, halo( $C_1$ - $C_6$ )alkylsulfinyl groups, ( $C_1$ - $C_6$ )alkylsulfonyl groups, halo( $C_1$ - $C_6$ )-alkylsulfonyl groups, mono( $C_1$ - $C_6$ )alkylamino groups, di( $C_1$ - $C_6$ )alkylamino groups wherein the two alkyl groups may be the same or different, and ( $C_1$ - $C_6$ )alkoxycarbonyl groups;

Q<sup>5</sup> is a nitrogen atom or a carbon atom;

Y may be the same or different, and is a halogen atom; a cyano group; a nitro group; a halo( $C_3$ - $C_6$ )cycloalkyl group; a phenyl group; a substituted phenyl group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, ( $C_1$ - $C_6$ )alkyl groups, halo( $C_1$ - $C_6$ )alkyl groups, ( $C_1$ - $C_6$ )alkoxy groups, halo( $C_1$ - $C_6$ )alkoxy groups, ( $C_1$ - $C_6$ )alkylthio groups, halo( $C_1$ - $C_6$ )alkylthio groups, ( $C_1$ - $C_6$ )alkylsulfinyl groups, halo( $C_1$ - $C_6$ )alkylsulfinyl groups, ( $C_1$ - $C_6$ )alkylsulfonyl groups, halo( $C_1$ - $C_6$ )-alkylsulfonyl groups, mono( $C_1$ - $C_6$ )alkylamino groups, di( $C_1$ - $C_6$ )alkylamino groups wherein the two alkyl groups may be the same or different, and ( $C_1$ - $C_6$ )alkoxycarbonyl groups; a heterocyclic group; a substituted heterocyclic group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, ( $C_1$ - $C_6$ )alkyl groups, halo( $C_1$ - $C_6$ )alkyl groups, ( $C_1$ - $C_6$ )alkoxy groups, halo( $C_1$ - $C_6$ )alkoxy groups,

(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)-alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)alkoxycarbonyl groups; or -A<sup>5</sup>-R<sup>10</sup> (A<sup>5</sup> and R<sup>10</sup> each have the same definition as given above);

the two Ys bonding to the adjacent two carbon atoms constituting the aromatic ring containing Q<sup>5</sup> may bond to each other to form a condensed ring; the condensed ring may have one or more same or different substituents selected from halogen atoms, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, phenyl group, substituted phenyl groups having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)-alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)-alkoxycarbonyl groups, heterocyclic groups, and substituted heterocyclic groups having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)-alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>),

$C_6$ )alkylsulfonyl groups, mono( $C_1$ - $C_6$ )alkylamino groups, di( $C_1$ - $C_6$ )alkylamino groups wherein the two alkyl groups may be the same or different, and ( $C_1$ - $C_6$ )-alkoxycarbonyl groups;

D1 m is an integer of 0 to 5;

Z<sup>1</sup> and Z<sup>2</sup> may be the same or different and are each an oxygen atom or a sulfur atom.

Claim 2. (Amended) An aromatic diamide compound or a salt

thereof according to claim 1, wherein A<sup>1</sup> is a ( $C_1$ - $C_8$ )alkylene group; a substituted ( $C_1$ - $C_8$ ) alkylene group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, halo( $C_1$ - $C_6$ )alkyl groups, ( $C_1$ -

D2  $C_6$ )alkoxy groups, halo( $C_1$ - $C_6$ )alkoxy groups, ( $C_1$ - $C_6$ )alkylthio groups, halo( $C_1$ - $C_6$ )-alkylthio groups, ( $C_1$ - $C_6$ )alkylsulfinyl groups, halo( $C_1$ - $C_6$ )alkylsulfinyl groups, ( $C_1$ -

$C_6$ )alkylsulfonyl groups, halo( $C_1$ - $C_6$ )alkylsulfonyl groups, ( $C_1$ - $C_6$ )alkylthio( $C_1$ -

$C_6$ )alkyl groups, ( $C_1$ - $C_6$ )alkoxycarbonyl groups and phenyl group; a ( $C_3$ -

$C_8$ )alkenylene group; a substituted ( $C_3$ - $C_8$ )alkenylene group having one or more

same or different substituents selected form halogen atoms, cyano group, nitro

group, halo( $C_1$ - $C_6$ )alkyl groups, ( $C_1$ - $C_6$ )alkoxy groups, halo( $C_1$ - $C_6$ )alkoxy groups,

( $C_1$ - $C_6$ )alkylthio groups, halo( $C_1$ - $C_6$ )alkylthio groups, ( $C_1$ - $C_6$ )alkylsulfinyl groups,

halo( $C_1$ - $C_6$ )alkylsulfinyl groups, ( $C_1$ - $C_6$ )-alkylsulfonyl groups, halo( $C_1$ -

$C_6$ )alkylsulfonyl groups, ( $C_1$ - $C_6$ )alkylthio( $C_1$ - $C_6$ )alkyl groups, ( $C_1$ - $C_6$ )alkoxycarbonyl

groups and phenyl group; a ( $C_3$ - $C_8$ )alkynylene group; or a substituted ( $C_3$ -

$C_8$ )alkynylene group having one or more same or different substituents selected

form halogen atoms, cyano group, nitro group, halo( $C_1$ - $C_6$ )alkyl groups, ( $C_1$ -

$C_6$ )alkoxy groups, halo( $C_1-C_6$ )alkoxy groups, ( $C_1-C_6$ )alkylthio groups, halo( $C_1-C_6$ )alkylthio groups, ( $C_1-C_6$ )alkylsulfinyl groups, halo( $C_1-C_6$ )alkylsulfinyl groups, ( $C_1-C_6$ )alkylsulfonyl groups, halo( $C_1-C_6$ )-alkylsulfonyl groups, ( $C_1-C_6$ )alkylthio( $C_1-C_6$ )alkyl groups, ( $C_1-C_6$ )alkoxycarbonyl groups and phenyl group;

in the ( $C_1-C_8$ )alkylene group, the substituted ( $C_1-C_8$ )alkylene group, the ( $C_3-C_8$ )alkenylene group, the substituted ( $C_3-C_8$ )alkenylene group, the ( $C_3-C_8$ )-alkynylene group or the substituted ( $C_3-C_8$ )alkynylene group, any saturated carbon atom may be substituted with a ( $C_2-C_5$ )alkylene group to form a ( $C_3-C_6$ )cycloalkane ring; further in the ( $C_1-C_8$ )alkylene group, the substituted ( $C_1-C_8$ ) alkylene group, the ( $C_3-C_8$ )alkenylene group or the substituted ( $C_3-C_8$ ) alkenylene group, any two carbon atoms may be combined with an alkylene group or an alkenylene group to form a ( $C_3-C_6$ )cycloalkane ring or a ( $C_3-C_6$ )cycloalkene ring;

$B$  is  $-C(=N-OR^4)-$  (wherein  $R^4$  is a hydrogen atom; a ( $C_1-C_6$ )alkyl group; a halo( $C_1-C_6$ )alkyl group; a ( $C_3-C_6$ )alkenyl group; a halo( $C_3-C_6$ )alkenyl group; a ( $C_3-C_6$ )alkynyl group; a ( $C_3-C_6$ )cycloalkyl group; a phenyl( $C_1-C_4$ )alkyl group; or a substituted phenyl( $C_1-C_4$ )alkyl group having, on the ring, one or more same or different substituents selected from halogen atoms, cyano group, nitro group, ( $C_1-C_6$ )alkyl groups, halo( $C_1-C_6$ )alkyl groups, ( $C_1-C_6$ )alkoxy groups, halo( $C_1-C_6$ )alkoxy groups, ( $C_1-C_6$ )alkylthio groups, halo( $C_1-C_6$ )alkylthio groups, ( $C_1-C_6$ )alkylsulfinyl groups, halo( $C_1-C_6$ )-alkylsulfinyl groups, ( $C_1-C_6$ )alkylsulfonyl groups, halo( $C_1-C_6$ )alkylsulfonyl groups, mono( $C_1-C_6$ )alkylamino groups, di( $C_1-C_6$ )alkylamino groups wherein the two alkyl groups may be the same or different, and ( $C_1-C_6$ )alkoxycarbonyl groups);

$R^1$  is a hydrogen atom; a ( $C_1-C_6$ )alkyl group; a halo( $C_1-C_6$ )alkyl group; a ( $C_2-C_6$ )alkenyl group; a halo( $C_2-C_6$ )alkenyl group; a ( $C_3-C_6$ )cycloalkyl group; a

halo(C<sub>3</sub>-C<sub>6</sub>)cycloalkyl group; a (C<sub>1</sub>-C<sub>6</sub>)alkoxy group; a halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy group; a (C<sub>1</sub>-C<sub>6</sub>)alkylthio group; a halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio group; a mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino group; a di(C<sub>1</sub>-C<sub>6</sub>)alkylamino group wherein the two alkyl groups may be the same or different; a phenyl group; a substituted phenyl group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)-alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)-alkoxycarbonyl groups; a phenylamino group; a substituted phenylamino group having, on the ring, one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)-alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)-alkoxycarbonyl groups; a phenoxy group; a substituted phenoxy group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, (C<sub>1</sub>-C<sub>6</sub>)alkyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)-alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, mono(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub>)alkylamino groups wherein the two alkyl groups may be the same or different, and (C<sub>1</sub>-C<sub>6</sub>)-alkoxycarbonyl groups;

12

alkoxycarbonyl groups; a phenylthio group; a substituted phenylthio group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, ( $C_1$ - $C_6$ )alkyl groups, halo( $C_1$ - $C_6$ )alkyl groups, ( $C_1$ - $C_6$ )alkoxy groups, halo( $C_1$ - $C_6$ )alkoxy groups, ( $C_1$ - $C_6$ )alkylthio groups, halo( $C_1$ - $C_6$ )alkylthio groups, ( $C_1$ - $C_6$ )alkylsulfinyl groups, halo( $C_1$ - $C_6$ )-alkylsulfinyl groups, ( $C_1$ - $C_6$ )alkylsulfonyl groups, halo( $C_1$ - $C_6$ )alkylsulfonyl groups, mono( $C_1$ - $C_6$ )alkylamino groups, di( $C_1$ - $C_6$ )alkylamino groups wherein the two alkyl groups may be the same or different, and ( $C_1$ - $C_6$ )-alkoxycarbonyl groups; a heterocyclic group; or a substituted heterocyclic group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, ( $C_1$ - $C_6$ )alkyl groups, halo( $C_1$ - $C_6$ )alkyl groups, ( $C_1$ - $C_6$ )alkoxy groups, halo( $C_1$ - $C_6$ )alkoxy groups, ( $C_1$ - $C_6$ )alkylthio groups, halo( $C_1$ - $C_6$ )alkylthio groups, ( $C_1$ - $C_6$ )alkylsulfinyl groups, halo( $C_1$ - $C_6$ )-alkylsulfinyl groups, ( $C_1$ - $C_6$ )alkylsulfonyl groups, halo( $C_1$ - $C_6$ )alkylsulfonyl groups, mono( $C_1$ - $C_6$ )alkylamino groups, di( $C_1$ - $C_6$ )alkylamino groups wherein the two alkyl groups may be the same or different, and ( $C_1$ - $C_6$ )-alkoxycarbonyl groups;

R<sup>1</sup> may bond with A<sup>1</sup> to form a 4- to 7-membered ring which may contain, as a ring-constituting atom(s), one or two same or different atoms selected from oxygen, sulfur and nitrogen atoms;

R<sup>2</sup> and R<sup>3</sup> may be the same or different and are each a hydrogen atom or a ( $C_1$ - $C_6$ )alkyl group;

Q<sup>1</sup> to Q<sup>4</sup> may be the same or different and are each a nitrogen atom or a carbon atom which may be substituted with X; X may be the same or different, and is a halogen atom, a nitro group, a ( $C_1$ - $C_6$ )alkyl group, a halo( $C_1$ - $C_6$ )alkyl group, a ( $C_2$ - $C_6$ )alkenyl group, a halo( $C_2$ - $C_6$ )alkenyl group, a ( $C_2$ - $C_6$ )alkynyl group, a

halo( $C_2$ - $C_6$ )alkynyl group, a halo( $C_1$ - $C_6$ )alkoxy group or a halo( $C_1$ - $C_6$ )alkylthio group; the two Xs bonding to the adjacent two carbon atoms constituting the aromatic ring containing Q<sup>1</sup> to Q<sup>4</sup> may bond to each other to form a condensed ring; the condensed ring may have one or more same or different substituents selected from halogen atoms, ( $C_1$ - $C_6$ )alkyl groups, halo( $C_1$ - $C_6$ )alkyl groups, ( $C_1$ - $C_6$ )alkoxy groups, halo( $C_1$ - $C_6$ )alkoxy groups, ( $C_1$ - $C_6$ )alkylthio groups, halo( $C_1$ - $C_6$ )alkylthio groups, ( $C_1$ - $C_6$ )alkylsulfinyl groups, halo( $C_1$ - $C_6$ )alkylsulfinyl groups, ( $C_1$ - $C_6$ )alkylsulfonyl groups and halo( $C_1$ - $C_6$ )-alkylsulfonyl groups;

Q<sup>5</sup> is a nitrogen atom or a carbon atom;

D 2  
Y may be the same or different when it is more than one, and is a halogen atom; a cyano group; a nitro group; a halo( $C_3$ - $C_6$ )cycloalkyl group; a phenyl group; a substituted phenyl group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, ( $C_1$ - $C_6$ )alkyl groups, halo( $C_1$ - $C_6$ )alkyl groups, ( $C_1$ - $C_6$ )alkoxy groups, halo( $C_1$ - $C_6$ )alkoxy groups, ( $C_1$ - $C_6$ )alkylthio groups, halo( $C_1$ - $C_6$ )alkylthio groups, ( $C_1$ - $C_6$ )alkylsulfinyl groups, halo( $C_1$ - $C_6$ )alkylsulfinyl groups, ( $C_1$ - $C_6$ )alkylsulfonyl groups, halo( $C_1$ - $C_6$ )alkylsulfonyl groups, mono( $C_1$ - $C_6$ )-alkylamino groups, di( $C_1$ - $C_6$ )alkylamino groups wherein the two alkyl groups may be the same or different, and ( $C_1$ - $C_6$ )alkoxycarbonyl groups; a heterocyclic group; a substituted heterocyclic group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, ( $C_1$ - $C_6$ )alkyl groups, halo( $C_1$ - $C_6$ )alkyl groups, ( $C_1$ - $C_6$ )alkoxy groups, halo( $C_1$ - $C_6$ )alkoxy groups, ( $C_1$ - $C_6$ )alkylthio groups, halo( $C_1$ - $C_6$ )alkylthio groups, ( $C_1$ - $C_6$ )alkylsulfinyl groups, halo( $C_1$ - $C_6$ )-alkylsulfinyl groups, ( $C_1$ - $C_6$ )alkylsulfonyl groups, halo( $C_1$ - $C_6$ )-alkylsulfonyl groups, mono( $C_1$ - $C_6$ )-alkylamino groups, di( $C_1$ - $C_6$ )-alkylamino groups wherein the two alkyl groups may be the same or different, and ( $C_1$ - $C_6$ )-

alkoxycarbonyl groups; or  $-A^5-R^{10}$  ( $A^5$  and  $R^{10}$  each have the same definition as given in claim 1);

the two Ys bonding to the adjacent two carbon atoms constituting the aromatic ring containing  $Q^5$  may bond to each other to form a condensed ring; the condensed ring may have one or more same or different substituents selected from halogen atoms,  $(C_1-C_6)$ alkyl groups, halo $(C_1-C_6)$ alkyl groups,  $(C_1-C_6)$ alkoxy groups, halo $(C_1-C_6)$ alkoxy groups,  $(C_1-C_6)$ alkylthio groups, halo $(C_1-C_6)$ alkylthio groups,  $(C_1-C_6)$ alkylsulfinyl groups, halo $(C_1-C_6)$ alkylsulfinyl groups,  $(C_1-C_6)$ alkylsulfonyl groups, halo $(C_1-C_6)$ alkylsulfonyl groups, phenyl group, substituted phenyl groups having one or more same or different substituents selected from halogen atoms, cyano group, nitro group,  $(C_1-C_6)$ alkyl groups, halo $(C_1-C_6)$ alkyl groups,  $(C_1-C_6)$ alkoxy groups, halo $(C_1-C_6)$ alkoxy groups,  $(C_1-C_6)$ alkylthio groups, halo $(C_1-C_6)$ alkylthio groups,  $(C_1-C_6)$ alkylsulfinyl groups, halo $(C_1-C_6)$ -alkylsulfinyl groups,  $(C_1-C_6)$ alkylsulfonyl groups, halo $(C_1-C_6)$ alkylsulfonyl groups, mono $(C_1-C_6)$ alkylamino groups, di $(C_1-C_6)$ alkylamino groups wherein the two alkyl groups may be the same or different, and  $(C_1-C_6)$ -alkoxycarbonyl groups, heterocyclic groups, and substituted heterocyclic groups having one or more same or different substituents selected from halogen atoms, cyano group, nitro group,  $(C_1-C_6)$ alkyl groups, halo $(C_1-C_6)$ alkyl groups,  $(C_1-C_6)$ alkoxy groups, halo $(C_1-C_6)$ alkoxy groups,  $(C_1-C_6)$ alkylthio groups, halo $(C_1-C_6)$ alkylthio groups,  $(C_1-C_6)$ alkylsulfinyl groups, halo $(C_1-C_6)$ -alkylsulfinyl groups,  $(C_1-C_6)$ alkylsulfonyl groups, halo $(C_1-C_6)$ -alkylsulfonyl groups, mono $(C_1-C_6)$ alkylamino groups, di $(C_1-C_6)$ alkylamino groups wherein the two alkyl groups may be the same or different, and  $(C_1-C_6)$ -alkoxycarbonyl groups;

$m$  is an integer of 0 to 5;

Z<sup>1</sup> and Z<sup>2</sup> are each an oxygen atom.

Claim 3. (Amended) An aromatic diamide compound or a salt thereof according to claim 2, wherein A<sup>1</sup> is a (C<sub>1</sub>-C<sub>8</sub>)-alkylene group; a substituted (C<sub>1</sub>-C<sub>8</sub>) alkylene group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, (C<sub>1</sub>-C<sub>6</sub>)-alkylthio(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxycarbonyl groups and phenyl group; a (C<sub>3</sub>-C<sub>8</sub>)alkenylene group; a substituted (C<sub>3</sub>-C<sub>8</sub>)alkenylene group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)-alkylthio(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxycarbonyl groups and phenyl group;

D 2  
a (C<sub>3</sub>-C<sub>8</sub>)alkynylene group; or a substituted (C<sub>3</sub>-C<sub>8</sub>)alkynylene group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy groups, (C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylthio groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl groups, halo(C<sub>1</sub>-C<sub>6</sub>)-alkylthio(C<sub>1</sub>-C<sub>6</sub>)alkyl groups, (C<sub>1</sub>-C<sub>6</sub>)alkoxycarbonyl groups and phenyl group;

in the  $(C_1\text{-}C_8)$ alkylene group, the substituted  $(C_1\text{-}C_8)$ alkylene group, the  $(C_3\text{-}C_8)$ alkenylene group, the substituted  $(C_3\text{-}C_8)$  alkenylene group, the  $(C_3\text{-}C_8)$ -alkynylene group or the substituted  $(C_3\text{-}C_8)$ alkynylene group, any saturated carbon atom may be substituted with a  $(C_2\text{-}C_5)$ alkylene group to form a  $(C_3\text{-}C_6)$ cycloalkane ring; further in the  $(C_1\text{-}C_8)$ alkylene group, the substituted  $(C_1\text{-}C_8)$  alkylene group, the  $(C_3\text{-}C_8)$ alkenylene group or the substituted  $(C_3\text{-}C_8)$  alkenylene group, any two carbon atoms may be combined with an alkylene group or an alkenylene group to form a  $(C_3\text{-}C_6)$ cycloalkane ring or a  $(C_3\text{-}C_6)$ cycloalkene ring;

B is  $-\text{C}(=\text{N-OR}^4)-$  (wherein  $R^4$  is a hydrogen atom; a  $(C_1\text{-}C_6)$ alkyl group; a halo $(C_1\text{-}C_6)$ alkyl group; a  $(C_3\text{-}C_6)$ alkenyl group; a halo $(C_3\text{-}C_6)$ alkenyl group; a  $(C_3\text{-}C_6)$ alkynyl group; a  $(C_3\text{-}C_6)$ cycloalkyl group; a phenyl $(C_1\text{-}C_4)$ alkyl group; or a substituted phenyl $(C_1\text{-}C_4)$ alkyl group having, on the ring, one or more same or different substituents selected from halogen atoms, cyano group, nitro group,  $(C_1\text{-}C_6)$ alkyl groups, halo $(C_1\text{-}C_6)$ alkyl groups,  $(C_1\text{-}C_6)$ alkoxy groups, halo $(C_1\text{-}C_6)$ alkoxy groups,  $(C_1\text{-}C_6)$ alkylthio groups, halo $(C_1\text{-}C_6)$ alkylthio groups,  $(C_1\text{-}C_6)$ alkylsulfinyl groups, halo $(C_1\text{-}C_6)$ -alkylsulfinyl groups,  $(C_1\text{-}C_6)$ alkylsulfonyl groups, halo $(C_1\text{-}C_6)$ alkylsulfonyl groups, mono $(C_1\text{-}C_6)$ alkylamino groups, di $(C_1\text{-}C_6)$ alkylamino groups wherein the two alkyl groups may be the same or different, and  $(C_1\text{-}C_6)$ -alkoxycarbonyl groups);

$R^1$  is a hydrogen atom; a  $(C_1\text{-}C_6)$ alkyl group; a halo $(C_1\text{-}C_6)$ alkyl group; a  $(C_2\text{-}C_6)$ alkenyl group; a halo $(C_2\text{-}C_6)$ alkenyl group; a  $(C_3\text{-}C_6)$ cycloalkyl group; a halo $(C_3\text{-}C_6)$ cycloalkyl group; a  $(C_1\text{-}C_6)$ alkoxy group; a halo $(C_1\text{-}C_6)$ alkoxy group; a  $(C_1\text{-}C_6)$ alkylthio group; a halo $(C_1\text{-}C_6)$ alkylthio group; a mono $(C_1\text{-}C_6)$ alkylamino group; a di $(C_1\text{-}C_6)$ alkylamino group wherein the two alkyl groups may be the same or different; a phenyl group; a substituted phenyl group having one or more same



groups,  $(C_1\text{-}C_6)\text{alkylsulfinyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{-alkylsulfinyl}$  groups,  $(C_1\text{-}C_6)\text{alkylsulfonyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{-alkylsulfonyl}$  groups,  $\text{mono}(C_1\text{-}C_6)\text{alkylamino}$  groups,  $\text{di}(C_1\text{-}C_6)\text{alkylamino}$  groups wherein the two alkyl groups may be the same or different, and  $(C_1\text{-}C_6)\text{-alkoxycarbonyl}$  groups; a heterocyclic group; or a substituted heterocyclic group having one or more same or different substituents selected from halogen atoms, cyano group, nitro group,  $(C_1\text{-}C_6)\text{alkyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkyl}$  groups,  $(C_1\text{-}C_6)\text{alkoxy}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkoxy}$  groups,  $(C_1\text{-}C_6)\text{alkylthio}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkylthio}$  groups,  $(C_1\text{-}C_6)\text{alkylsulfinyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{-alkylsulfinyl}$  groups,  $(C_1\text{-}C_6)\text{alkylsulfonyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{-alkylsulfonyl}$  groups,  $\text{mono}(C_1\text{-}C_6)\text{alkylamino}$  groups,  $\text{di}(C_1\text{-}C_6)\text{alkylamino}$  groups wherein the two alkyl groups may be the same or different, and  $(C_1\text{-}C_6)\text{-alkoxycarbonyl}$  groups;

R<sup>1</sup> may bond with A<sup>1</sup> to form a 4- to 7-membered ring which may contain, as a ring-constituting atom(s), one or two same or different atoms selected from oxygen, sulfur and nitrogen atoms;

R<sup>2</sup> and R<sup>3</sup> may be the same or different and are each a hydrogen atom or a  $(C_1\text{-}C_6)\text{alkyl}$  group;

Q<sup>1</sup> to Q<sup>4</sup> may be the same or different and are each a carbon atom which may be substituted with X; X may be the same or different when it is more than one, and is a halogen atom, a nitro group, a  $(C_1\text{-}C_6)\text{alkyl}$  group, a  $\text{halo}(C_1\text{-}C_6)\text{alkyl}$  group, a  $(C_2\text{-}C_6)\text{alkenyl}$  group, a  $\text{halo}(C_2\text{-}C_6)\text{alkenyl}$  group, a  $(C_2\text{-}C_6)\text{alkynyl}$  group, a  $\text{halo}(C_2\text{-}C_6)\text{alkynyl}$  group, a  $\text{halo}(C_1\text{-}C_6)\text{alkoxy}$  group or a  $\text{halo}(C_1\text{-}C_6)\text{alkylthio}$  group; the two Xs bonding to the adjacent two carbon atoms constituting the aromatic ring containing Q<sup>1</sup> to Q<sup>4</sup> may bond to each other to form a condensed ring; the condensed ring may have one or more same or different

substituents selected from halogen atoms,  $(C_1\text{-}C_6)\text{alkyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkyl}$  groups,  $(C_1\text{-}C_6)\text{alkoxy}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkoxy}$  groups,  $(C_1\text{-}C_6)\text{alkylthio}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkylthio}$  groups,  $(C_1\text{-}C_6)\text{alkylsulfinyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkylsulfinyl}$  groups,  $(C_1\text{-}C_6)\text{alkylsulfonyl}$  groups and  $\text{halo}(C_1\text{-}C_6)\text{alkylsulfonyl}$  groups;

$Q^5$  is a nitrogen atom or a carbon atom;

Y may be the same or different when it is more than one, and is a halogen atom; a  $(C_1\text{-}C_6)\text{alkyl}$  group; a  $\text{halo}(C_1\text{-}C_6)\text{alkyl}$  group; a  $(C_1\text{-}C_6)\text{alkoxy}$  group; a  $\text{halo}(C_1\text{-}C_6)\text{alkoxy}$  group; a  $(C_1\text{-}C_6)\text{alkylthio}$  group; a  $\text{halo}(C_1\text{-}C_6)\text{alkylthio}$  group; a  $(C_1\text{-}C_6)\text{alkylsulfinyl}$  group; a  $\text{halo}(C_1\text{-}C_6)\text{alkylsulfinyl}$  group; a  $(C_1\text{-}C_6)\text{alkylsulfonyl}$  group; a  $\text{halo}(C_1\text{-}C_6)\text{alkylsulfonyl}$  group; a  $\text{halo}(C_1\text{-}C_6)\text{alkoxy}$  halo( $C_1\text{-}C_6$ )alkoxy group; a phenyl group; a substituted phenyl group having one or more same or different substituents selected from halogen atoms, cyano group,  $\text{halo}(C_1\text{-}C_6)\text{alkyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkoxy}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkylthio}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{-alkylsulfinyl}$  groups and  $\text{halo}(C_1\text{-}C_6)\text{alkylsulfonyl}$  groups; a phenoxy group; a substituted phenoxy group having one or more same or different substituents selected from halogen atoms, cyano group,  $\text{halo}(C_1\text{-}C_6)\text{-alkyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkoxy}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{-alkylthio}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkylsulfinyl}$  groups and  $\text{halo}(C_1\text{-}C_6)\text{alkylsulfonyl}$  groups; a pyridyloxy group; or a substituted pyridyloxy group having one or more same or different substituents selected from halogen atoms, cyano group,  $\text{halo}(C_1\text{-}C_6)\text{alkyl}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkoxy}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{alkylthio}$  groups,  $\text{halo}(C_1\text{-}C_6)\text{-alkylsulfinyl}$  groups and  $\text{halo}(C_1\text{-}C_6)\text{alkylsulfonyl}$  groups;

the two Ys bonding to the adjacent two carbon atoms constituting the aromatic ring containing  $Q^5$  may bond to each other to form a condensed ring; the condensed ring may have one or more same or different substituents selected from